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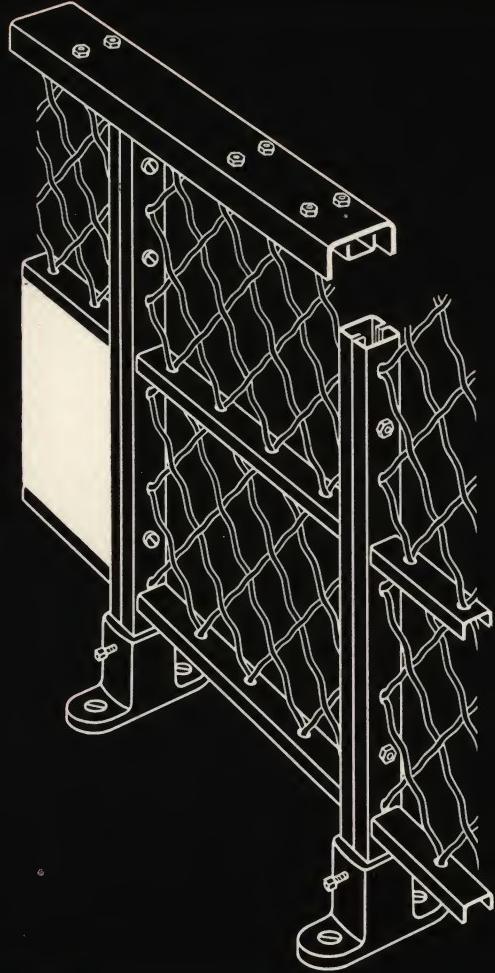


ACORN
WIRE & IRON
WORKS
CHICAGO

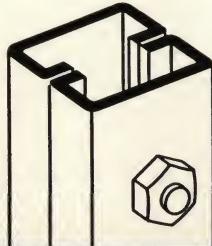
wire mesh partitions

Acorn Wire and Iron Works, Inc.
New York—Chicago—Los Angeles

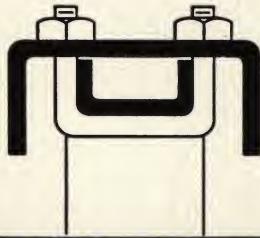
construction



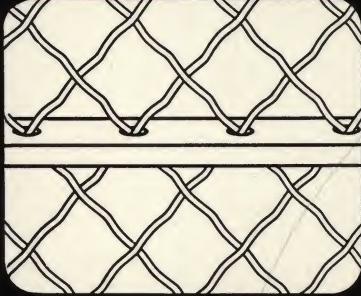
Formed "turned-in-toe" channel uprights prevent telescoping, assure permanent alignment.



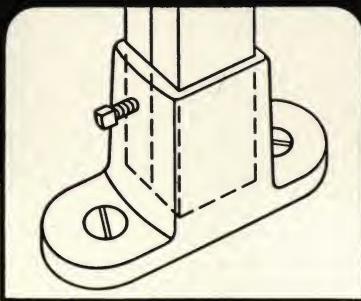
Capping channel 'U' bolted to panels simplifies installation and re-arrangement.



Woven in center channel provides better appearance, additional rigidity.



Adjustable cast iron floor sockets permit level installation, secure anchorage.



wire mesh partitions

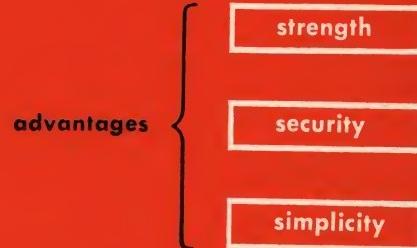


Slide-up service windows for use in any location. Standard size 24" wide by 15" high, special sizes to order. Windows lock in opened and closed positions with spring catches. Shelf is 12 gauge steel, 12" deep x 25" wide (optional).

Door locks are pick-proof bronze mortise type operated by key outside, recessed knob inside. Can be keyed alike, different or master-keyed. Cylinder locks are standard equipment on all doors unless otherwise specified.



Acorn partitions are made up of a series of standardized units. Panels, doors, service windows and corners can be arranged in any combination, giving maximum flexibility in layout. Standardization permits expansion at any time with no loss of component parts.



types:

no. 130A All wire type for normal industrial use. 7', 8', 9' and 10' standard heights.



no. 139A Sheet base type. Additional strength, better appearance. 7', 8', 9', 10' standard heights.



no. 130AL All wire type using vertical flat bar posts. 11' to 20' standard heights.



no. 139AL Sheet base type using vertical flat bar posts. 11' to 20' standard heights.

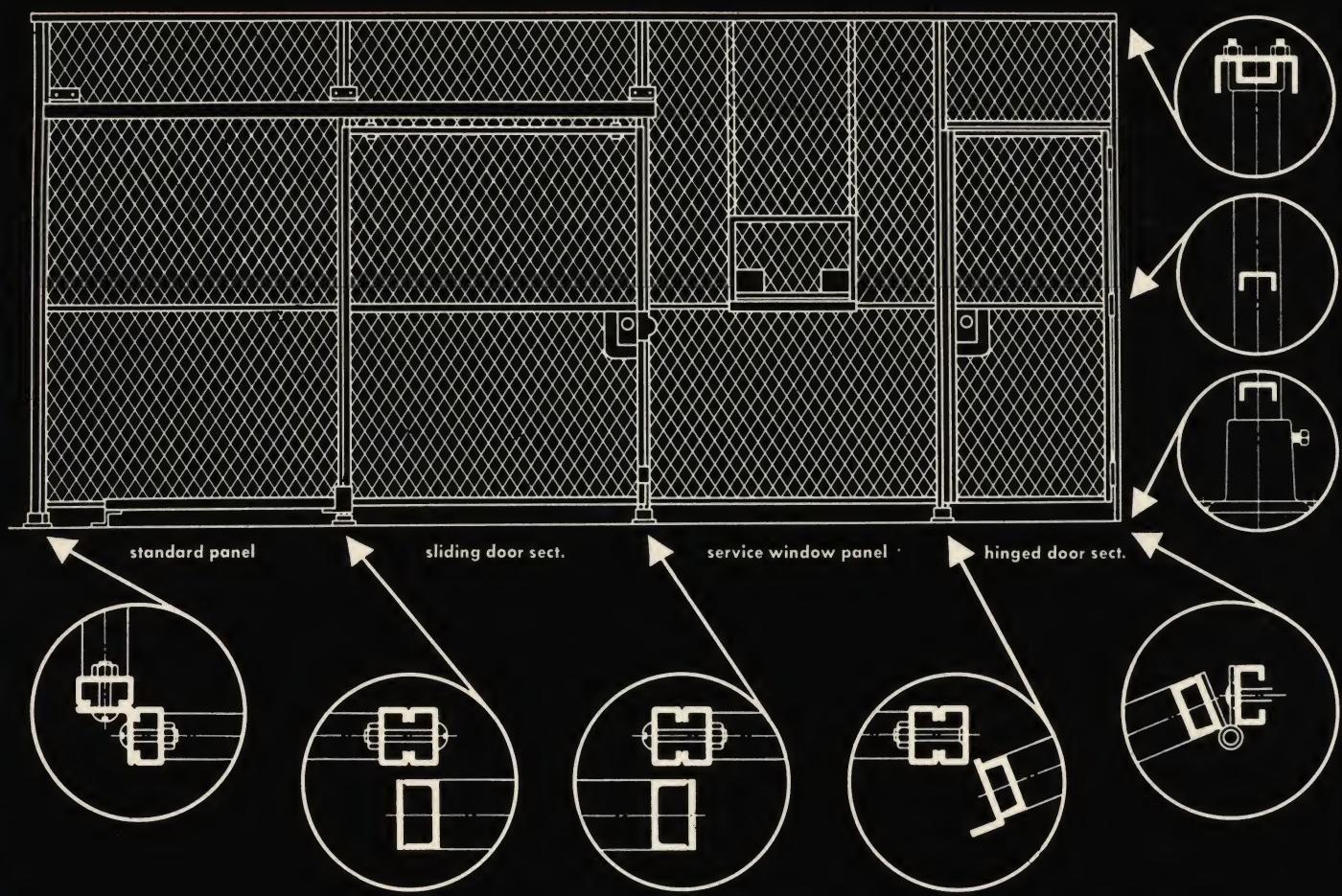
no. 135 All wire type for extra heavy industrial use. 7' to 20' heights.



how to order

back cover

typical grouping of no. 130A sections



7'—10' wire mesh partitions**all wire type—no. 130A**

Basic all wire type for normal industrial use. 7', 8', 9'
and 10' standard heights.

components—nominal sizes**standard panels:**

Stock sizes—5' wide, 7', 8', 9' and 10' high. Special heights up to 10' made to order.

sliding door sections:

Stock sizes—3', 4', 5' and 6' wide. 7' headroom except 6'-6" in 7' high partition. Special sizes to order.

service window panels:

Stock sizes—24" x 15" standard service window (see page 3) in standard 5' panels. Special windows and panels to order.

hinged door sections:

Stock sizes—2'-6", 3' and 3'-6" wide. 7' headroom except 6'-6" in 7' high partition. Special sizes to order.

filler panels:

Stock sizes—none. Special width panel to fill out runs or where standard 5' wide panels cannot be used.

corners and intersections:

Stock sizes—1 $\frac{1}{4}$ " angle for 90° corner, any height. Clips for three or four way 90° intersection, any height. 1 $\frac{5}{8}$ " O.D. pipe post for other than 90° corner.

All panels and door sections are interchangeable standardized units which can be arranged in any desired combination.

specifications

Partitions to be no. 130A as manufactured by Acorn Wire and Iron Works, Inc.

—All wire type constructed of 10 gauge steel wire woven into 1 $\frac{1}{2}$ " diamond mesh, securely clinched to frames—Vertical frames to be 1 $\frac{1}{4}$ " x $\frac{5}{8}$ " cold rolled 'C' section channels with $\frac{1}{4}$ " bolt holes 12" o.c.—

Horizontal frames 1" x $\frac{1}{2}$ " cold rolled channels

—All joints mortised and tenoned—

Center reinforcing bar 1" x $\frac{1}{2}$ " cold rolled channel tenoned to side frames. All wires passed through center bar—Top capping bar 2 $\frac{1}{4}$ " x 1" cold rolled channel with $\frac{1}{4}$ " "U" bolts 2 $\frac{1}{4}$ " o.c.

—Corner posts 1 $\frac{1}{4}$ " x 1 $\frac{1}{4}$ " angles with $\frac{1}{4}$ " bolt holes to match partition—Cast iron floor sockets 2 $\frac{1}{2}$ " high with set screw adjustment—Sliding door frames 1 $\frac{1}{2}$ " x $\frac{3}{4}$ " channel with 1 $\frac{1}{2}$ " x $\frac{1}{8}$ " flat bar cover all around. Each door to have two 4 wheel roller bearing

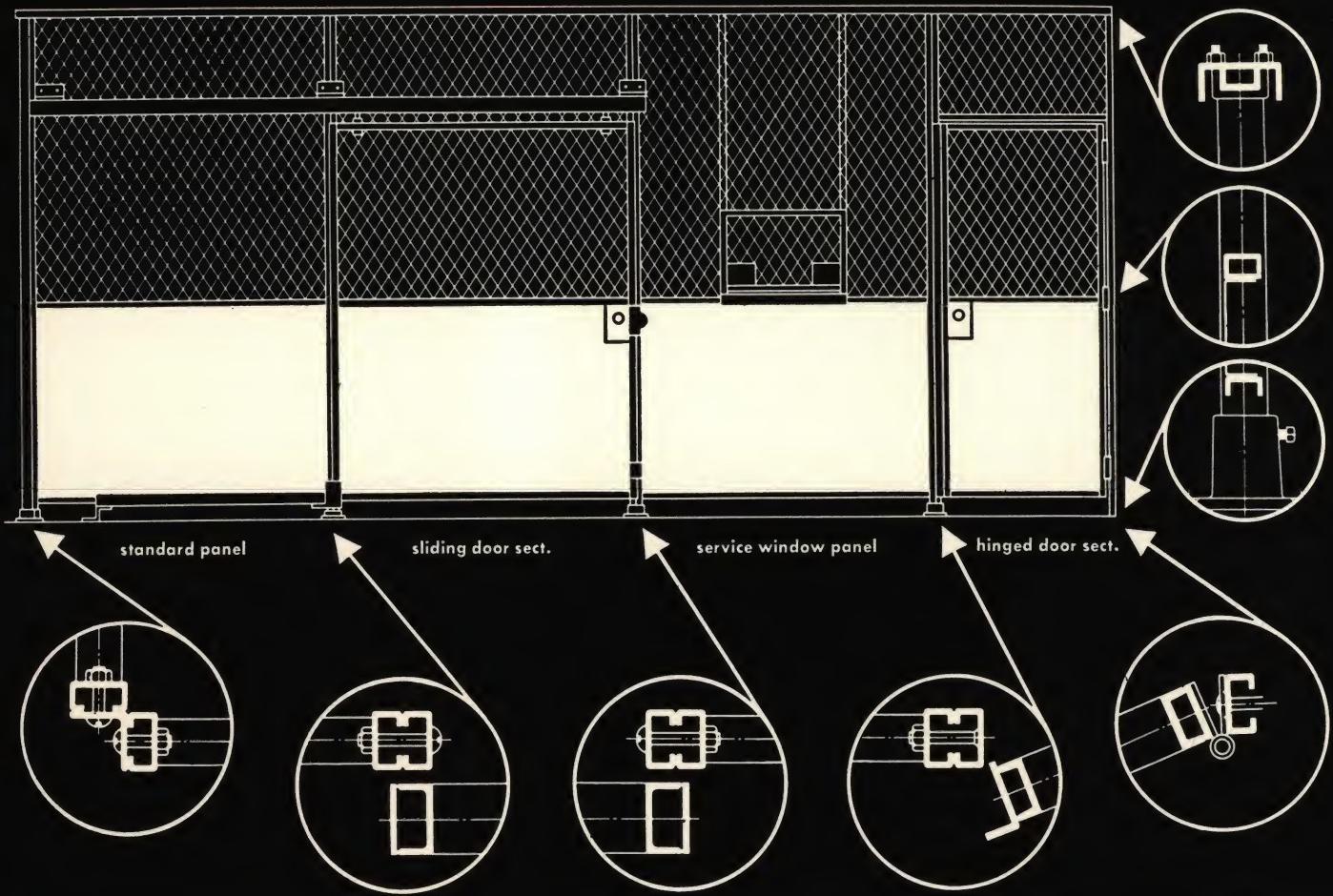
hangers, box track, and bottom guide channel—

Hinged door frames 1 $\frac{1}{4}$ " x $\frac{1}{2}$ " channel with 1 $\frac{1}{4}$ " x $\frac{1}{8}$ " flat bar cover three sides, 1 $\frac{3}{8}$ " x $\frac{3}{4}$ " x $\frac{1}{8}$ " angle riveted to lock side. Each door to have 1 $\frac{1}{2}$ pairs butt hinges riveted to both door and transom bar—All doors to have substantial bronze mortise type cylinder locks operated by key outside, recessed knob inside

—All bolts, hardware, and accessories for complete installation to be included—

Field bracing furnished by erector—Finish, one standard shop coat (factory green), (machinery gray), or (black) enamel.

typical grouping of no.139A sections



7'-10' wire mesh partitions**sheet base type—no. 139A**

Deluxe sheet base type for normal industrial use. 7', 8',
9' and 10' standard heights.

components—nominal sizes**standard panels:**

Stock sizes—5' wide, 7', 8', 9' and 10' high. Special heights up to 10' made to order.

sliding door sections:

Stock sizes—3', 4', 5' and 6' wide. 7' headroom except 6'-6" in 7' high partition. Special sizes to order.

service window panels:

Stock sizes—24" x 15" standard service window (see page 3) in standard 5' panels. Special windows and panels to order.

hinged door sections:

Stock sizes—2'-6", 3' and 3'-6" wide. 7' headroom except 6'-6" in 7' high partition. Special sizes to order.

filler panels:

Stock sizes—none. Special width panel to fill out runs or where standard 5' wide panels cannot be used.

corners and intersections:

Stock sizes—1¼" angle for 90° corner, any height. Clips for three or four way 90° intersection, any height. 1½" O.D. pipe post for other than 90° corner.

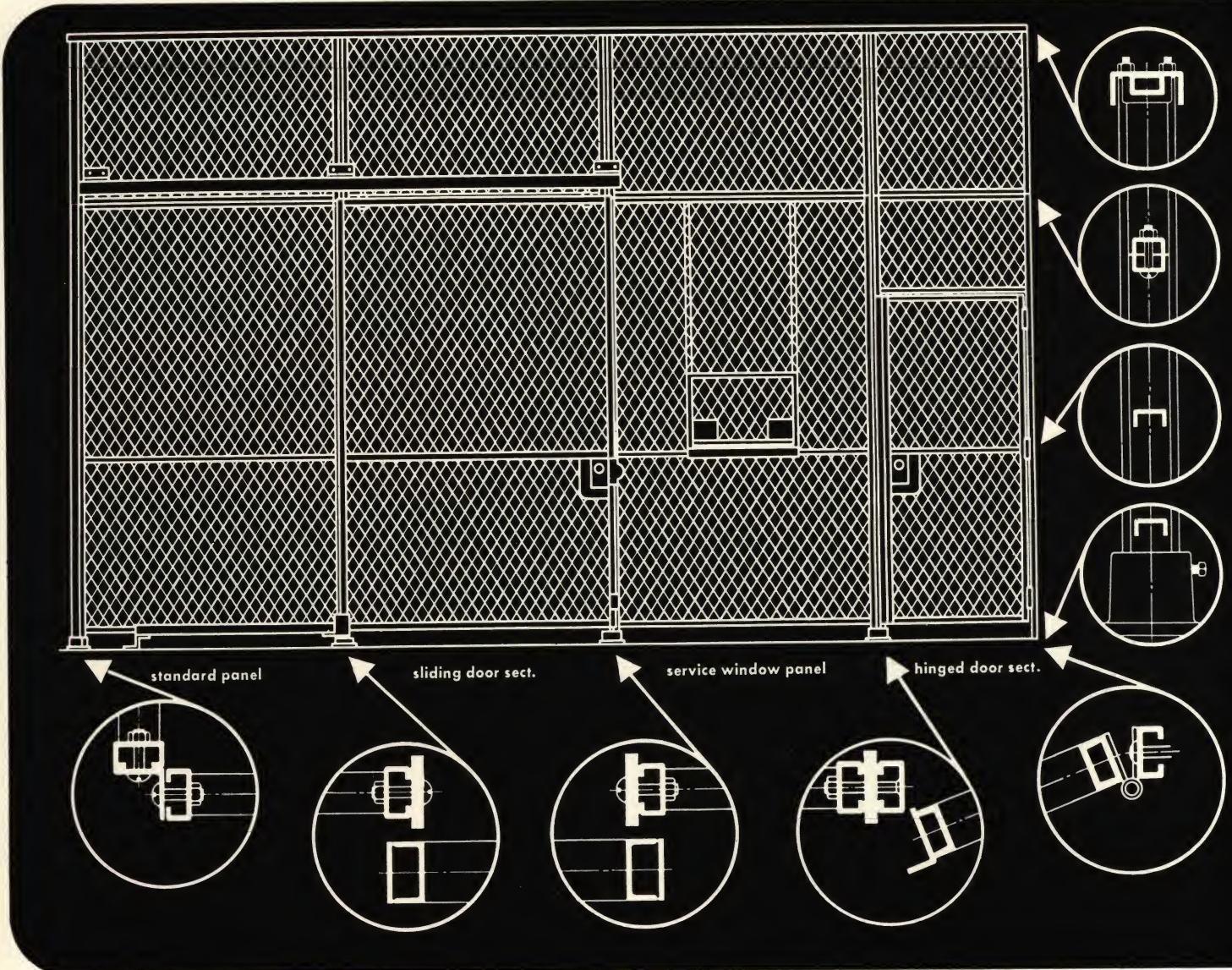
All panels and door sections are interchangeable standardized units which can be arranged in any desired combination.

specifications

Partitions to be no. 139A as manufactured by Acorn Wire and Iron Works, Inc.

—Sheet base type—Top panel constructed of 10 gauge steel wire woven into 1½" diamond mesh securely clinched to frames
—Lower panel constructed of 16 gauge formed steel sheet securely bolted to frames
—Vertical frames to be 1¼" x ¾" cold rolled 'C' section channels with ¼" bolt holes 12" o.c.—Horizontal frames 1" x ½" cold rolled channels—All joints mortised and tenoned
—Top capping bar 2¼" x 1" cold rolled channel with ¼" 'U' bolts 2'4" o.c.—Corner posts 1¼" x 1¼" angles with ¼" bolt holes to match partition—Cast iron floor sockets 2½" high with set screw adjustment
—Sliding door frames 1½" x ¾" channel with 1½" x ⅛" flat bar cover all around. Each door to have two 4 wheel roller bearing hangers, box track, and bottom guide channel—Hinged door frames 1¼" x ½" channel with 1¼" x ⅛" flat bar cover three sides, 1¾" x ¾" x ⅛" angle riveted to lock side. Each door to have 1½ pairs butt hinges riveted to both door and transom bar—All doors to have substantial bronze mortise type cylinder locks operated by key outside, recessed knob inside
—All bolts, hardware and accessories for complete installation to be included—Field bracing furnished by erector—Finish, one standard shop coat (factory green), (machinery gray), or (black) enamel.

typical grouping of no. 130AL sections



heavy duty all wire type no. 135—2" diamond mesh—no. 6 gauge wire— $1\frac{1}{2}$ " x $\frac{3}{4}$ " channel frames—available in 7' to 20' heights for heavy industrial use

11'—20' wire mesh partitions**all wire type—no. 130AL**

Basic type for normal industrial use.

sheet base type—no. 139AL

Deluxe type for normal industrial use.

components—nominal sizes**standard panels:**

Stock sizes—5' wide, 11'—20' heights in 12" increments.
Special heights made to order.

sliding door sections:

Stock sizes—3', 4', 5' and 6' wide. Standard headroom 7'.
Special sizes to order.

service window panels:

Stock sizes—24" x 15" standard service window (see page 3)
in standard 5' panels. Special windows and panels to order.

hinged door sections:

Stock sizes—2'-6", 3' and 3'-6" wide. Standard headroom 7'.
Special sizes to order.

filler panels:

Stock sizes—none. Special width panel to fill out runs or where
standard 5' wide panels cannot be used.

corners and intersections:

Stock sizes—1½" angle for 90° corner, any height. Clips for
three or four way 90° intersection, any height. 1½" O.D. pipe
post for other than 90° corner.

flat bar posts:

Stock sizes—5/16" x 1¾" for partitions 11'—13' high
5/16" x 2½" for partitions 13'—16' high
5/16" x 3" for partitions 16'—20' high

All panels and door sections are interchangeable standardized
units which can be arranged in any desired combination.

specifications no. 130AL

Partitions to be no. 130AL as manufactured
by Acorn Wire and Iron Works, Inc.

—All wire type constructed of 10 gauge
steel wire woven into 1½" diamond mesh, securely
clinched to frames—Vertical frames to be 1¼" x 5/8"
cold rolled 'C' section channels with 1/4" bolt
holes 12" o.c.—Horizontal frames 1" x 1/2" cold
rolled channels—All joints mortised and
tenoned—Center reinforcing bar 1" x 1/2" cold rolled
channel tenoned to side frames. All wires passed
through center bar—Flat bar posts to be (5/16" x 1¾")
(5/16" x 2½") (5/16" x 3") (as detailed) with 1/4" bolt
holes to match partition—Top capping bar 2¼" x 1"
cold rolled channel with 1/4" 'U' bolts 2'4" o.c.

—Corner posts 1¼" x 1¼" angle with 1/4" bolt holes
to match partition—Cast iron floor sockets
2½" high with set screw adjustment—Sliding door
frames 1½" x ¾" channel with 1½" x 1/8" flat
bar cover all around. Each door to have two 4 wheel roller
bearing hangers, box track, and bottom guide
channel—Hinged door frames 1¼" x ½" channel
with 1¼" x 1/8" flat bar cover three sides,
1¾" x ¾" x 1/8" angle riveted to lock side. Each door
to have 1½ pairs butt hinges riveted to both
door and transom bar—All doors to have substantial
bronze mortise type cylinder locks operated by key
outside, recessed knob inside—All bolts, hardware,
and accessories for complete installation to be
included—Field bracing furnished by erector
—Finish, one standard shop coat (factory green),
(machinery gray), or (black) enamel.

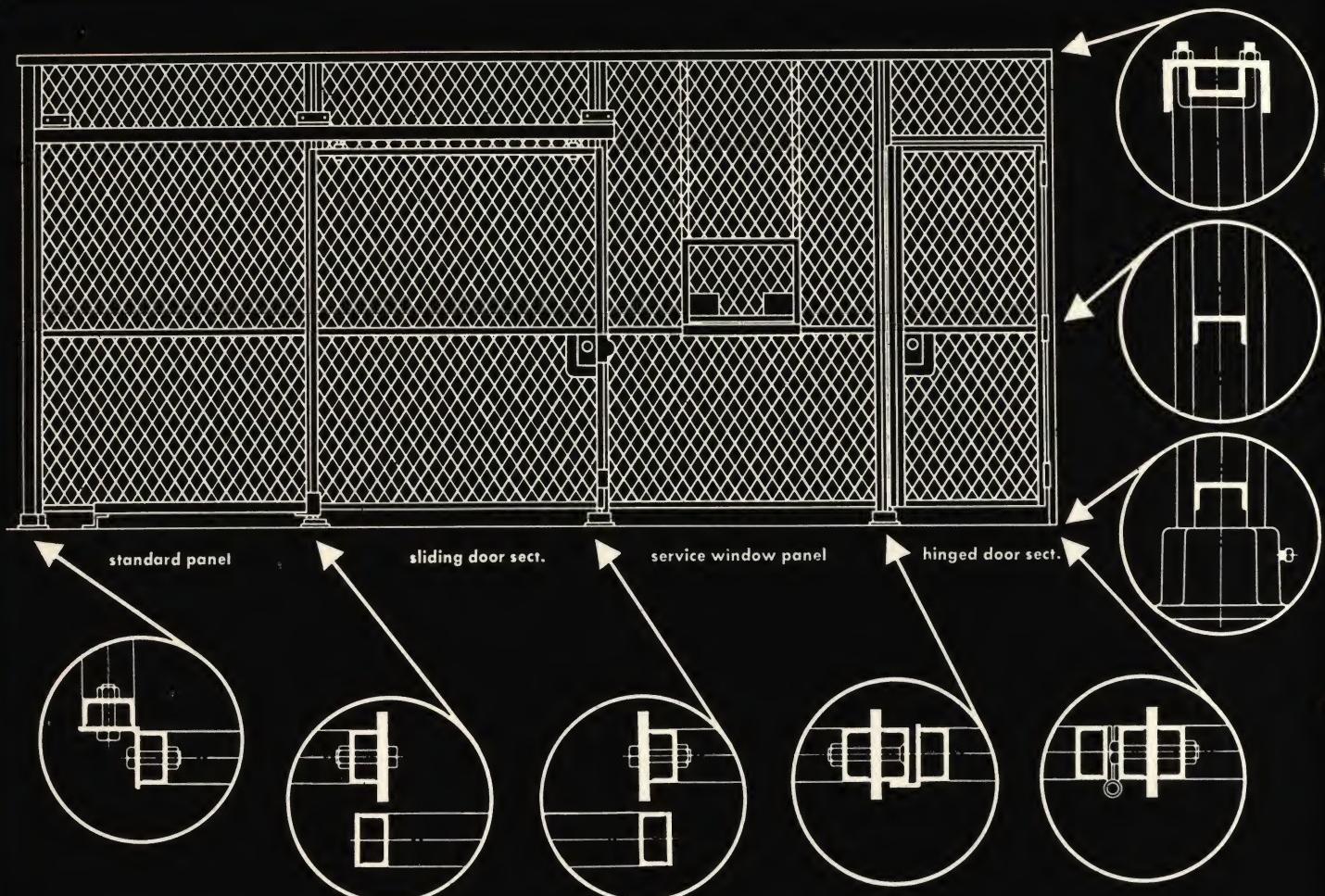
specifications no. 139AL

Partitions to be no. 139AL as manufactured
by Acorn Wire and Iron Works, Inc.

Sheet base type—Lower panel

16 gauge formed steel sheet—Top panel constructed
of 10 gauge steel wire woven into 1½" diamond
mesh securely clinched to frames. (Balance of
specifications same as 130AL).

typical grouping of no.135 sections



7'—20' wire mesh partitions**all wire type—no. 135**

Heavy duty all wire type for extra heavy industrial use.

7'—20' heights in 12" increments.

components—nominal sizes**standard panels:**

Stock sizes—5' wide, 7'—20' heights in 12" increments.
Special heights made to order.

sliding door sections:

Stock sizes—3', 4', 5' and 6' wide. 7' headroom except 6'-6" in 7' high partition. Special sizes to order.

service window panels:

Stock sizes—24" x 15" standard service window (see page 3) in standard 5' panels. Special windows and panels to order.

hinged door sections:

Stock sizes—2'-6", 3' and 3'-6" wide. 7' headroom except 6'-6" in 7' high partition. Special sizes to order.

filler panels:

Stock sizes—none. Special width panel to fill out runs or where standard 5' wide panels cannot be used.

corners and intersections:

Stock sizes—1 $\frac{3}{4}$ " angle for 90° corner, any height. Clips for three or four way 90° intersection, any height. 2 $\frac{3}{8}$ " O.D. pipe post for other than 90° corner.

flat bar posts:

Stock sizes— $\frac{5}{16}$ " x 2 $\frac{1}{2}$ " for partitions 7'—12' high
 $\frac{5}{16}$ " x 3" for partitions 12'—16' high
 $\frac{5}{16}$ " x 3 $\frac{1}{2}$ " for partitions 16'—20' high

All panels and door sections are interchangeable standardized units which can be arranged in any desired combination.

specifications

Partitions to be no. 135 as manufactured by Acorn Wire and Iron Works, Inc.

—All wire heavy duty type constructed of 6 gauge steel wire woven into 2" diamond mesh securely clinched into 1 $\frac{1}{2}$ " x $\frac{3}{4}$ " channel frames—Vertical frames to have $\frac{3}{8}$ " bolt holes 18" o.c.—All joints mortised and tenoned

—Center reinforcing bar 1 $\frac{1}{2}$ " x $\frac{3}{4}$ " channel tenoned to side frames—All wires passed through center bar—Flat bar posts to be ($\frac{5}{16}$ " x 2 $\frac{1}{2}$ ") ($\frac{5}{16}$ " x 3") ($\frac{5}{16}$ " x 3 $\frac{1}{2}$) (as detailed) with $\frac{3}{8}$ " bolt holes to match partition

—Top capping bar 3" x 4.1 lb. channel with $\frac{5}{16}$ " "U" bolts 2 $\frac{1}{4}$ " o.c. Corner posts 1 $\frac{3}{4}$ " x 1 $\frac{3}{4}$ " angle with $\frac{3}{8}$ " bolt holes to match partition—Cast iron floor sockets 2 $\frac{1}{2}$ " high with set screw adjustment—Sliding door frames 1 $\frac{1}{2}$ " x $\frac{3}{4}$ " channel with 1 $\frac{1}{2}$ " x $\frac{1}{8}$ " flat bar cover all around. Each door to have two 4 wheel roller bearing hangers, box track, and bottom guide channel—Hinged door frames 1 $\frac{1}{2}$ " x $\frac{3}{4}$ " channel with 1 $\frac{1}{2}$ " x $\frac{1}{8}$ " flat bar cover three sides, 1 $\frac{1}{8}$ " x $\frac{7}{8}$ " x $\frac{1}{8}$ " angle riveted to lock side. Each door to have 1 $\frac{1}{2}$ pairs heavy butt hinges riveted to both door and transom bar

—All doors to have substantial bronze mortise type cylinder locks operated by key outside, recessed knob inside—All bolts, hardware, and accessories for complete installation to be included—Field bracing furnished by erector—Finish, one standard shop coat (factory green), (machinery gray), or (black) enamel.

how to order

When the partition layout is planned around standard-sized units, the following information should be listed:

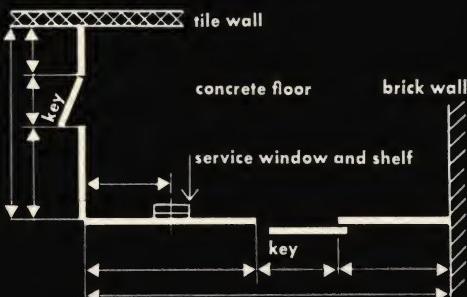
1. Type of partition (130A, 139A, 130AL, 139AL, 135).
 2. Height of partition.
 3. Number of standard panels.
 4. Number and width of filler panels.
 5. Number and width of door sections.
 - [a] Specify whether doors are hinged or sliding.
 - [b] Whether right or left hand doors are required.
- note:** Right hand door has lock on right hand side when facing door from key side.
- [c] If hinged, whether to swing in or out.
 - [d] If sliding, whether inside or outside.
 - [e] Whether locks are to be keyed alike, different, or master-keyed.

6. Number of corner posts.

7. Kind of floor and wall.

8. Color of paint.

Where special conditions prevail details should be furnished giving necessary information.



installations

Atomic Energy Commission
Atomic Energy Commission
Babcock and Wilcox Co.
Bell Aircraft Corp.
Boeing Airplane Co.
Collins Radio Co.
Corning Glass Works
The Dow Chemical Co.
Ekco Products Co.
The Fafnir Bearing Co.
General Electric Co.
General Electric Co.
General Motors Corp.
General Motors Corp.

Los Alamos, N. Mex.
Hanford, Wash.
Beaver Falls, Pa.
Hurst, Tex.
Wichita, Kan.
Cedar Rapids, Iowa
Corning, N. Y.
Midland, Mich.
El Monte, Calif.
New Britain, Conn.
Cincinnati, Ohio
Fort Wayne, Ind.
Buffalo, N. Y.
Flint, Mich.

Hotpoint Inc.
IBM Corp.
IBM Corp.
International Harvester Co.
International Harvester Co.
Johnston Lawn Mower Corp.
Lockheed Aircraft Corp.
Glenn L. Martin Co.
Motorola Inc.
No. American Aviation Inc.
Oklahoma Natural Gas Co.
Schick Inc.
Western Electric Co.
Western Electric Co.

Milwaukee, Wis.
Endicott, N. Y.
Poughkeepsie, N. Y.
Chicago, Ill.
Memphis, Tenn.
Brookhaven, Miss.
Atlanta, Ga.
Baltimore, Md.
Phoenix, Ariz.
Columbus, Ohio
Oklahoma City, Okla.
Stamford, Conn.
Indianapolis, Ind.
Winston-Salem, N. C.



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